

SABIC® PP QR675K

PP RANDOM COPOLYMER QCRYSTAL

DESCRIPTION

SABIC® PP QR675K is a highly transparent random copolymer with good antistatic properties with excellent flow behaviour. This grade combines improved aesthetics of the finished articles with low temperature processability. Part aesthetics are not affected by the lower temperatures, providing for a broader operating window. The SABIC® PP QR675K results in excellent demoulding characteristics and has a good stiffness to impact ratio. Application: SABIC® PP QR675K is mainly used in injection moulding processes. The SABIC® PP QR675K aims at transparent applications where higher MFIs with good flow are required. Its intended applications include injection moulded housewares, office & home storage boxes, thin wall packaging and media packaging. Health, Safety and Food Contact regulations: Material Safety Data Sheets (MSDS) and Product Safety declarations are available on our Internet site <http://www.SABIC.com> The product mentioned herein is in particular not tested and therefore not validated for use in pharmaceutical/ medical applications. This grade material is UL registered under File E111275 (www.ul.com) / IMDS 80775790

TYPICAL PROPERTY VALUES

Revision 20170522

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate			
at 230 °C and 2.16 kg	60	dg/min	ISO 1133
Density	905	kg/m ³	ISO 1183
FORMULATION			
Anti static agent	<input checked="" type="checkbox"/>	-	-
Clarified	<input checked="" type="checkbox"/>	-	-
MECHANICAL PROPERTIES			
Tensile test			
tensile modulus ⁽¹⁾	1100	MPa	ISO 527-2 1A
stress at yield ⁽²⁾	25	MPa	ISO 527-2 1A
Tensile test			
strain at yield ⁽²⁾	13	%	ISO 527-2 1A
Izod impact notched			
at 0 °C	2.0	kJ/m ²	ISO 180/1A
at 23 °C	4.0	kJ/m ²	ISO 180/1A
Charpy Impact Strength Notched			
at 0 °C	2.0	kJ/m ²	ISO 179/1eA
at 23 °C	4.5	kJ/m ²	ISO 179/1eA
Hardness Shore D	62	-	ISO 868
THERMAL PROPERTIES			
Heat Deflection Temperature ⁽³⁾			

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
at 1.80 MPa (HDT/A)	50	°C	ISO 75
at 0.45 MPa (HDT/B)	75	°C	ISO 75
Vicat Softening Temperature ⁽⁴⁾			
at 50 N (VST/B)	68	°C	ISO 306
at 10 N (VST/A)	125	°C	ISO 306

- (1) Speed of testing: 1 mm/min
- (2) Speed of testing: 50 mm/min
- (3) Flat wise (testbar 80*10*4mm)
- (4) Temperature rate: 120°C/h

DISCLAIMER

The information contained herein may include typical properties of our products or their typical performances when used in certain typical applications. Actual properties of our products, in particular when used in conjunction with any third party material(s) or for any non-typical applications, may differ from typical properties.

It is the customer's responsibility to inspect and test our product(s) in order to satisfy itself as to the suitability of the product(s) for its and its customers particular purposes. The customer is responsible for the appropriate, safe and legal use, processing and handling of all product(s) purchased from us.

Nothing herein is intended to be nor shall it constitute a warranty whatsoever, in particular, warranty of merchantability or fitness for a particular purpose.

SABIC as referred to herein means any legal entity belonging to the group of companies headed by Saudi Arabia Basic Industries Corporation.